

22



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/080,951	02/21/2002	An Mei Chen	020178	7807

23696 7590 01/25/2006

QUALCOMM, INC  
5775 MOREHOUSE DR.  
SAN DIEGO, CA 92121

EXAMINER
----------

YUN, EUGENE

ART UNIT	PAPER NUMBER
----------	--------------

2682

DATE MAILED: 01/25/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>		<b>Applicant(s)</b>	
	10/080,951		CHEN ET AL.	
	<b>Examiner</b>		<b>Art Unit</b>	
	Eugene Yun		2682	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 24 October 2005.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-144 is/are pending in the application.
- 4a) Of the above claim(s) 29-144 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-28 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 23 April 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 103*

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lim (US 2002/0057663) in view of Sinnarajah et al. (US 6,980,820).

Referring to Claim 1, Lim teaches a method for delivering information to a dormant target communication device in a wireless communication system including a base station controller (BSC) and a packet control function (PCF) (fig. 1), the method comprising:

receiving information at the BSC for transmission to a target communication device (paragraph [0020]); and

broadcasting the information to a plurality of communication devices within a service area of the BSC (paragraph [0021]).

Lim does not teach at least a portion of the information transmitted on at least one available common channel and this transmitted information does not require establishment of a dedicated traffic channel. Sinnarajah teaches at least a portion of the information transmitted on at least one available common channel and this transmitted information does not require establishment of a dedicated traffic channel (see col. 9, lines 41-53). Therefore, it would have been obvious to one of ordinary skill in the art at

the time the invention was made to provide the teachings of Sinnarajah to said device of Lim in order to better allow the communications devices to function in a broadcast mode as well as a communication mode.

Referring to Claim 2, Lim also teaches broadcasting the information to the communication devices belonging to a group call (paragraph [0035]).

Referring to Claim 3, Lim also teaches the BSC and the PCF co-located (fig. 1).

Referring to Claim 4, Lim also teaches transmitting the information on a forward common channel of a wireless network (middle of paragraph [0039]).

Referring to Claim 5, Lim also teaches transmitting the information on a forward paging channel (F-PCH) of the wireless network (paragraph [0010]).

Referring to Claim 6, Lim also teaches transmitting the information on a forward common control channel (F-CCCH) of the wireless network (paragraph [0010]).

Referring to Claim 7, Lim also teaches transmitting the information as short data burst (SDB) (paragraph [0012]).

Claims 8-21 have similar limitations as claims 1-7.

Referring to Claim 22, Lim teaches an apparatus for delivering information to a dormant target communication device in a wireless communication system including a base station controller (BSC) and a packet control function (PCF) (fig. 1), comprising:

A memory unit (paragraph [0036]);

A receiver (see BTS in fig. 1);

A transmitter (see BTS in fig. 1); and

A processor coupled to the memory unit (fig. 1), the receiver, and the transmitter, the processor being capable of:

Receiving information at a BSC for transmission to a target communication device (paragraph [0020]); and

Broadcasting the information to a plurality of communication devices within a service area of the BSC (paragraph [0021]).

Lim does not teach at least a portion of the information transmitted on at least one available common channel and this transmitted information does not require establishment of a dedicated traffic channel. Sinnarajah teaches at least a portion of the information transmitted on at least one available common channel and this transmitted information does not require establishment of a dedicated traffic channel (see col. 9, lines 41-53). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the teachings of Sinnarajah to said device of Lim in order to better allow the communications devices to function in a broadcast mode as well as a communication mode.

Claims 23-28 have similar limitations as Claims 2-7.

### ***Response to Arguments***

3. Applicant's arguments with respect to claims 1-28 have been considered but are moot in view of the new ground(s) of rejection.

### ***Conclusion***

Art Unit: 2682

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).


A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eugene Yun whose telephone number is (571) 272-7860. The examiner can normally be reached on 9:00am-6:00pm.

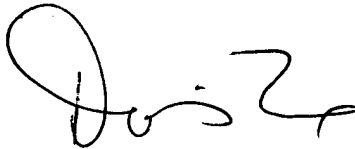
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Doris To can be reached on (571)272-7629. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2682

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Eugene Yun  
Examiner  
Art Unit 2682

EY

  
DORIS H. TO  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600